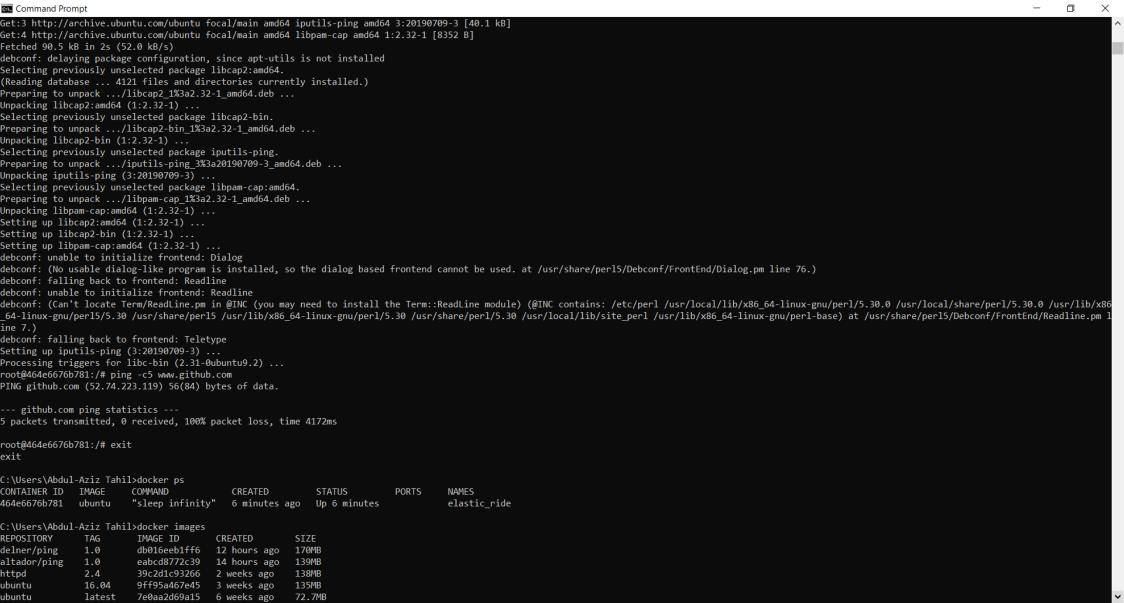
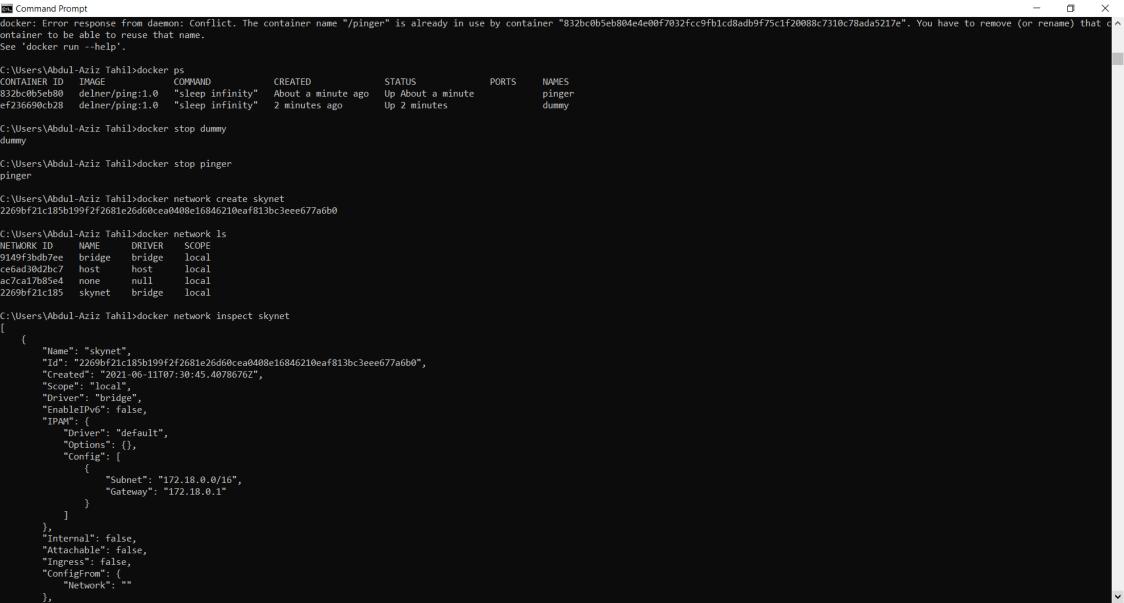
```
Command Prompt
                                                                                                                                                                                                            "Options": {
           "com.docker.network.bridge.default bridge": "true".
           "com.docker.network.bridge.enable icc": "true",
           "com.docker.network.bridge.enable ip masquerade": "true",
           "com.docker.network.bridge.host binding ipv4": "0.0.0.0",
           "com.docker.network.bridge.name": "docker0",
           "com.docker.network.driver.mtu": "1500"
       "Labels": {}
C:\Users\Abdul-Aziz Tahil>docker ps
CONTAINER ID
              IMAGE
                        COMMAND
                                           CREATED
                                                                 STATUS
                                                                                 PORTS
                                                                                           NAMES
464e6676b781
              ubuntu
                        "sleep infinity"
                                           About a minute ago
                                                                Up 58 seconds
                                                                                           elastic ride
C:\Users\Abdul-Aziz Tahil>docker exec -it 464 /bin/bash
root@464e6676b781:/# apt-get update && apt-get install -y iputils-ping
Get:1 http://security.ubuntu.com/ubuntu focal-security InRelease [114 kB]
Get:2 http://archive.ubuntu.com/ubuntu focal InRelease [265 kB]
Get:3 http://security.ubuntu.com/ubuntu focal-security/multiverse amd64 Packages [27.6 kB]
Get:4 http://security.ubuntu.com/ubuntu focal-security/main amd64 Packages [876 kB]
Get:5 http://archive.ubuntu.com/ubuntu focal-updates InRelease [114 kB]
Get:6 http://archive.ubuntu.com/ubuntu focal-backports InRelease [101 kB]
Get:7 http://archive.ubuntu.com/ubuntu focal/main amd64 Packages [1275 kB]
Get:8 http://archive.ubuntu.com/ubuntu focal/universe amd64 Packages [11.3 MB]
Get:9 http://archive.ubuntu.com/ubuntu focal/restricted amd64 Packages [33.4 kB]
Get:10 http://archive.ubuntu.com/ubuntu focal/multiverse amd64 Packages [177 kB]
Get:11 http://archive.ubuntu.com/ubuntu focal-updates/restricted amd64 Packages [355 kB]
Get:12 http://archive.ubuntu.com/ubuntu focal-updates/universe amd64 Packages [979 kB]
Get:13 http://archive.ubuntu.com/ubuntu focal-updates/main amd64 Packages [1299 kB]
Get:14 http://archive.ubuntu.com/ubuntu focal-updates/multiverse amd64 Packages [32.0 kB]
Get:15 http://archive.ubuntu.com/ubuntu focal-backports/universe amd64 Packages [4305 B]
Get:16 http://security.ubuntu.com/ubuntu focal-security/restricted amd64 Packages [323 kB]
Get:17 http://security.ubuntu.com/ubuntu focal-security/universe amd64 Packages [729 kB]
Fetched 18.0 MB in 17s (1065 kB/s)
Reading package lists... Done
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
libcap2 libcap2-bin libpam-cap
The following NEW packages will be installed:
iputils-ping libcap2 libcap2-bin libpam-cap
0 upgraded, 4 newly installed, 0 to remove and 5 not upgraded.
Need to get 90.5 kB of archives.
After this operation, 333 kB of additional disk space will be used.
Get:1 http://archive.ubuntu.com/ubuntu focal/main amd64 libcap2 amd64 1:2.32-1 [15.9 kB]
Get:2 http://archive.ubuntu.com/ubuntu focal/main amd64 libcap2-bin amd64 1:2.32-1 [26.2 kB]
```



```
Command Prompt
                                                                                                                                                                                                         "EnableIPv6": false,
       "IPAM": {
           "Driver": "default",
           "Options": null,
           "Config": [
                   "Subnet": "172.17.0.0/16",
                   "Gateway": "172.17.0.1"
       "Internal": false,
       "Attachable": false,
       "Ingress": false,
       "ConfigFrom": {
           "Network": ""
       "ConfigOnly": false,
       "Containers": {
           "ef236690cb2890691d1e3a1db89a15736fec633b5876c2c4ee012ba43e1347c1": {
               "Name": "dummy",
               "EndpointID": "1d55477e58a111748487b918c7dd78a739f04d1b773f5e8c32d31612dfef0fc4",
               "MacAddress": "02:42:ac:11:00:02",
               "IPv4Address": "172.17.0.2/16",
               "IPv6Address": ""
       "Options": {
           "com.docker.network.bridge.default bridge": "true",
           "com.docker.network.bridge.enable icc": "true",
           "com.docker.network.bridge.enable_ip_masquerade": "true",
           "com.docker.network.bridge.host_binding_ipv4": "0.0.0.0",
           "com.docker.network.bridge.name": "docker0",
           "com.docker.network.driver.mtu": "1500"
       "Labels": {}
C:\Users\Abdul-Aziz Tahil>docker run --rm -d -e PING_TARGET=172.17.0.2 --name pinger delner/ping:1.0
832bc0b5eb804e4e00f7032fcc9fb1cd8adb9f75c1f20088c7310c78ada5217e
C:\Users\Abdul-Aziz Tahil>docker ps
CONTAINER ID IMAGE
                                COMMAND
                                                   CREATED
                                                                    STATUS
                                                                                   PORTS
                                                                                              NAMES
832bc0b5eb80 delner/ping:1.0 "sleep infinity" 13 seconds ago Up 11 seconds
                                                                                              pinger
<u>ef236690cb28 delner</u>/ping:1.0 "sleep infinity" 45 seconds ago Up 43 seconds
                                                                                              dummy
C:\Users\Abdul-Aziz Tahil>docker logs pinger
                                               Didn't display log files as command is sleep infinity.
C:\Users\Abdul-Aziz Tahil>docker run --rm -d -e PING TARGET=dummy --name pinger delner/ping:1.0
```



```
Command Prompt
                                                                                                                                                                                                         "ConfigOnly": false,
       "Containers": {},
       "Options": {},
       "Labels": {}
C:\Users\Abdul-Aziz Tahil>docker run --rm -d --network skynet --name dummy delner/ping:1.0
10edb565760b1fe9d860672eefd10390c58dbd22c4176345a8ebcaaad41e9bcc
C:\Users\Abdul-Aziz Tahil>docker logs pinger
Error: No such container: pinger
C:\Users\Abdul-Aziz Tahil>docker stop dummy
C:\Users\Abdul-Aziz Tahil>docker run --rm -d --name widgetdb --network skynet -p 5432 postgres
Unable to find image 'postgres:latest' locally
latest: Pulling from library/postgres
69692152171a: Already exists
a31b993d5cc6: Pull complete
f65921886500: Pull complete
b9c1a94e4ca8: Pull complete
435dd99ceb68: Pull complete
d3ee8e88c67c: Pull complete
84b08674f942: Pull complete
7d358e850d3e: Pull complete
c7dcc5801f3b: Pull complete
f6eeca01c79c: Pull complete
392faa2e3ddd: Pull complete
3e77feaf6319: Pull complete
9b42e6c9c7ba: Pull complete
5fce2660d75c: Pull complete
Digest: sha256:117c3ea384ce21421541515edfb11f2997b2c853d4fdd58a455b77664c1adc20
Status: Downloaded newer image for postgres:latest
dfd0559b44a320978068d900314b208d706d753af0d2a68254daa15d32e7e61a
C:\Users\Abdul-Aziz Tahil>docker run --rm -d --name gadgetdb --network skynet -p 5432 postgres
702dd0dda14422521205d7c178294ecb13e751d861ad9b13f637b72030271cbc
C:\Users\Abdul-Aziz Tahil>docker ps
CONTAINER ID IMAGE
                       COMMAND CREATED STATUS PORTS
                                                                NAMES
C:\Users\Abdul-Aziz Tahil>docker ps -a
CONTAINER ID IMAGE
                             COMMAND
                                                CREATED
                                                                                                        NAMES
                                                                 STATUS
                                                                                               PORTS
464e6676b781 ubuntu
                             "sleep infinity"
                                               21 minutes ago Exited (137) 11 minutes ago
                                                                                                         elastic ride
342d33f6ad4d
             ubuntu:16.04 "/bin/bash"
                                               13 hours ago
                                                                Exited (1) 13 hours ago
                                                                                                         sad mclean
6e0ce896ca1a ubuntu:16.04
                             "/bin/bash"
                                                                Exited (1) 15 hours ago
                                                                                                         wizardly_greider
                                                15 hours ago
C:\Users\Abdul-Aziz Tahil>docker run --rm -d --name widgetdb --network skynet -p 5432 postgres
```

